

**Yellow Jacket**

**Loc:** Index dist. **Ore:** Gold. **Ref:** 58, p. 74.

**Zeta (134)**

**Loc:** Sec. 34, (29-11E), about 1 mi. E. of Silver Lk. on the Monte Cristo side of the divide. **Ore:** Gold, silver, copper. **Ore min:** Pyrite, chalcopryrite, bornite. **Deposit:** 3 parallel mineralized fractures. One shows from 8 to 24 in. of ore, another shows 3 to 18 in. of ore. **Dev:** 15-ft. adit, several open cuts. **Assays:** \$5 to \$6 Au, \$3 to \$11 Ag. **Ref:** 14, p. 26. 63, p. 27.

**STEVENS COUNTY****A and C (131)**

(see under copper)

**Abe Lincoln (41)**

**Loc:** Sec. 1, (39-36E), on flat bench 1 mi. E. of Rockcut, Orient dist. **Elev:** 2,350 ft. **Prop:** 1 unpatented claim. **Owner:** Abandoned (1941). **Ore:** Gold, copper. **Ore min:** Pyrite, chalcopryrite. **Deposit:** Mineralized quartz vein occurs in a country rock consisting of Orient gneiss cut by diorite dikes. **Dev:** 120-ft. shaft with 40-ft. crosscut at 100-ft. level, and another 100-ft. shaft. **Assays:** \$30 Au. **Ref:** 30, p. 129. 104, 9/32. 164, pp. 289-290.

**Abe Lincoln (Comstock)**

(see Comstock under lead)

**Acme (F. H. and C.)**

(see F. H. and C.)

**Acme (Acme-Dora) (151)**

(see under lead)

**Admiral (192)**

(see under copper)

**Advance (101)**

(see under zinc)

**Aguila (153)**

(see under lead)

**Al Ki**

(see under lead)

**Aladdin (Blue Ridge, Sierra Zinc)**

(see Sierra Zinc under zinc)

**Aladdin (140)**

(see under lead)

**Alert**

**Loc:** On N. Fk. Fifteen Mile Cr., Northport dist. **Ore:** Gold, silver, copper. **Ref:** 63, p. 107.

**Alice**

(see under copper)

**Alice C (45)**

**Loc:** Sec. 18, (39-37E), ¼ mi. E. of First Thought property. **Access:** ¼ mi. from road. **Prop:** 2 claims: Alice C, Protection. **Owner:** May be part of holdings of Gold Syndicate Corp. **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** Latite flows cut by monzonite dikes. Fracture zones in these rocks mineralized with auriferous pyrite. **Dev:** 70-ft. double-compartment shaft and 2 adits. **Ref:** 30, p. 133. 164, p. 261.

**Alice May**

**Loc:** On Onion Cr., Northport dist. **Ore:** Gold. **Ref:** 63, p. 111.

**Alma (152)**

(see under silver)

**Amazon (174)**

(see under copper)

**American Boy (64)**

**Loc:** Sec. 31, (39-37E), Orient dist. **Prop:** 1 unpatented claim. **Owner:** Abandoned (1941). **Ore:** Gold, copper. **Ore min:** Pyrite and small amounts of chalcopryrite. **Deposit:** Mineralized fracture zone in limestone parallel to the bedding planes. **Dev:** 25-ft. shaft, several open cuts. **Assays:** Reportedly \$15 Au. **Ref:** 30, p. 127. 164, p. 281.

**Anaconda (113)**

(see under lead)

**Antelope (82)**

**Loc:** Sec. 20, (39-38E), Orient dist. **Elev:** 3,650 ft. **Access:** Near road. **Prop:** 1 unpatented claim. **Owner:** Abandoned (1941). **Ore:** Gold, copper. **Ore min:** Pyrite, pyrrhotite, chalcopryrite, melanterite. **Gangue:** Quartz. **Deposit:** 2½- to 4-ft. vein in Jumbo volcanics. **Dev:** Inclined shaft about 100 ft. deep. **Assays:** Sample taken across the vein said to assay \$26.25. **Prod:** 50 tons of ore said to have been mined. **Ref:** 30, p. 135. 164, p. 251.

**Ark (150)**

(see under silver)

**Audrey M. (63)**

(see under copper)

**B and B (170)**

(see under copper)

**Bald Eagle (32)**

**Loc:** Sec. 25, (40-36E), E. of Mogul property, Orient dist. **Elev:** 3,650 ft. **Access:** Near road. **Prop:** 3 unpatented claims, including: Bald Eagle Nos. 1 and 2. **Owner:** Abandoned (1941). Bald Eagle Gold Mining Co. (1897). **Ore:** Gold, silver, copper. **Ore min:** Pyrite, chalcopryrite, a few specks of galena. **Gangue:** Quartz. **Deposit:** Country rock of quartzite, schist, and limestone cut by diorite dikes, is traversed by two mineralized fracture zones, one 12 ft. wide. **Dev:** 25-ft. shaft, 15-ft. shaft, and other shafts total about 100 ft. Also a few open cuts. **Assays:** \$1 to \$6 Au, Ag. **Ref:** 30, p. 129. 63, p. 106. 164, p. 287.

**Banner**

(see Chinto under copper)

**Bear Mountain (155)**

(see under lead)

**Beecher (37)**

**Loc:** Near center sec. 31, (40-37E), Orient dist. **Elev:** 2,500 ft. **Access:** 2 mi. NE. of Rockcut by road. **Owner:** Beecher Gold Mining Co. (1909-1924). **Ore:** Gold, silver, copper, lead. **Ore min:** Free gold, pyrite, sylvanite, galena, limonite, chalcopryrite. **Gangue:** Quartz, calcite. **Deposit:** 2 quartz veins, one 4 to 24 in. wide, another as much as 8 ft. wide. Country rock is schist and Rossland volcanics cut by diabase. **Dev:** 65-ft. shaft with 115-ft. drift at bottom. Other short drifts. **Assays:** Av. \$4 to \$24 Au, high-grade \$136 to \$296 Au. **Prod:** 2 shipments aggregating 22 tons prior to 1913. **Ref:** 7, p. 88. 97, 1915, p. 575; 1916, p. 616. 98, 1918, 1922, 1925. 114, 8/09, p. 60. 164, p. 285.

**Belcher (176)**

(see under copper)

**Belle of the Mountain**

**Loc:** Summit dist., about 18 mi. W. of Chewelah. **Access:** Road from Chewelah. **Owner:** C. H. Bodge (1890). **Ore:** Gold. **Ore min:** Free gold. **Deposit:** 3-ft. quartz vein. **Dev:** 20-ft. shaft. **Assays:** Ore on dump showed \$20 Au. **Ref:** 12, p. 77. 13, p. 124.

**Belmont (54)**

**Loc:** Near center sec. 18, (39-37E). Joins the First Thought property on the SW. **Prop:** 1 claim. **Owner:** May be part of Gold Syndicate Corp. holdings. **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** 2 intersecting sets of fractures in latite and monzonite porphyry show some mineralization. **Dev:** 30-ft. shaft and some trenching. **Ref:** 30, p. 121. 164, p. 265.

**Benvenue**

(see Gold Reef)

**Bertha M (157)**

(see under lead)

**Big Iron (28)**

(see under iron)

**Big Jim (Sweet Home) (75)**

**Loc:** Sec. 19, (39-38E). **Prop:** 1 fraction. **Ore:** Gold, copper. **Deposit:** Vein cutting dark basic igneous rock. **Dev:** 10-ft. shaft and several open cuts. **Assays:** Said to assay \$4 Au, \$1 Cu. **Ref:** 164, p. 252.

**Big Strike (121)**

**Loc:** Sec. 12, (40-42E), Northport dist. **Access:** 12 mi. by road to railroad at Boundary. **Owner:** Newton Hartman, Colville, Wash. **Ore:** Gold. **Ref:** 158.

**Birton**

**Loc:** Near Sheep Cr., 6 mi. from Northport. **Prop:** 12 claims. **Owner:** Birton Gold Mining & Milling Co. (1897). **Ore:** Gold, copper. **Ore min:** Iron and copper sulfides. **Ref:** 63, p. 106.

**Black Horse**

(see Columbia Tungsten under tungsten)

**Black Witch**

(see Alma under silver)

**Blue Belle**

**Loc:** Summit dist., about 18 mi. W. of Chewelah. Adjoins Belle of the Mountain on S. **Access:** Road from Chewelah. **Owner:** P. Kearney, D. B. Arman, and J. Davis (1890). **Ore:** Gold. **Ore min:** Free gold. **Deposit:** 3-ft. quartz vein. **Dev:** 40-ft. shaft. **Assays:** Hand samples from dump assayed \$20 Au. **Ref:** 12, pp. 77-78. 13, p. 123.

**Blue Bird (85)**

**Loc:** Sec. 19, (39-38E), Orient dist. **Prop:** 1 claim. **Owner:** Centennial Mines Co. (1924-1926). Minorca-Homestake Mines Co. (1922). **Ore:** Gold, silver, copper. **Deposit:** Limestone and calcareous argillite cut by basic dikes. Residual areas of Jumbo volcanics. 5- to 7-ft. vein cuts the series. **Ref:** 98, 1925, p. 1808; 1926, p. 1573. 164, p. 250.

**Blue Goose (15)**

(see under copper)

**Blue Grass (Katy) (57)**

**Loc:** Near center E½ sec. 24, (39-36E), near top of Toulou Mtn., Orient dist. **Elev:** 3,000 ft. **Access:** 1 mi. from road. **Prop:** 3 unpatented claims. **Owner:** Gus Dahl, Orient, Wash. (1940). Blue Grass Gold, Silver, Copper Mining Co. (1909). **Ore:** Gold, silver, copper. **Ore min:** Pyrite, chalcopyrite. **Gangue:** Quartz. **Deposit:** Conglomerate, shale, tuff, dacite, and andesite cut by monzonite and granite dikes. Mineralization is in fracture zones near the dikes. One zone is 3 ft. wide. **Dev:** 40-ft. shaft, 410-ft. crosscut, open cuts. **Assays:** Av. said to be \$1.00 Au, though assays as high as \$16 have been obtained. **Ref:** 30, pp. 123-124. 114, no. 5, 1909, p. 62. 164, pp. 271-272.

**Blue Ridge**

(see Sierra Zinc under zinc)

**Blue Star**

(see Eagle under silver)

**Bluebird**

(see Loon Lake Copper under copper)

**Bonanza Copper (198)**

(see under copper)

**Brooks (201)**

(see under silver)

**Bruce Creek**

(see A and C under copper)

**Bryant (38)**

(see under copper)

**Bucher**

**Loc:** Orient dist. **Ore:** Gold. **Prod:** 1907. **Ref:** 97, 1908, p. 580.

**Buck Mountain**

(see under silver)

**Buffalo (118)**

(see under silver)

**Bullion (97)**

(see under lead)

**Burrus (139)**

(see under zinc)

**Butte (46)**

**Loc:** Secs. 7 and 18, (39-37E), on First Thought Mtn., Orient dist. **Owner:** Treasure Gold Mining Co., Spokane, Wash. **Ore:** Gold, silver. **Ref:** 158.

**Centennial (76)**

(see under copper)

**Charity**

(see F. H. and C.)

**Checops (168)**

(see under copper)

**Chewelah Consolidated (156)**

(see under lead)

**Chewelah Eagle**

(see Eagle under silver)

**Chewelah Standard (183)**

(see under copper)

**Chinto (175)**

(see under copper)

**Churchill (30)**

(see under copper)

**City View (149)**

**Loc:** SW¼ sec. 16, (36-38E). **Elev:** 2,330 ft. **Access:** 1 mi. E. of Kettle Falls (Meyers Falls). **Prop:** Several claims. **Owner:** Abandoned (1941). **Ore:** Gold, lead, silver, copper. **Ore min:** Galena, pyrite. **Deposit:** 5-in. and 3-ft. quartz veins cutting argillite and limestone. Pyrite occurs in the wall rock. **Dev:** 60-ft. adit, 50-ft. adit, 12-ft. shaft. **Assays:** Ore said to assay \$9.00 Au and to carry values in Pb and Ag. **Ref:** 30, p. 55. 158, 164, p. 234.

**Clara (110)**

**Loc:** Secs. 10 and 11, (40-41E), Northport dist. **Ore:** gold, silver, copper. **Prod:** Has produced. **Ref:** 58, p. 14. 63, p. 111.

**Coffer (73)**

(see under copper)

**Colonel Fish**

(see Gold Hill)

**Columbia**

(see Iroquois under zinc)

**Columbia River (146)**

(see under copper)

**Columbia Tungsten (163)**

(see under tungsten)

**Comstock (31)**

(see under copper)

**Comstock (Abe Lincoln) (89)**

(see under lead)

**Contention**

(see Mountain View under silver)

**Copper Butte (65)**

(see under copper)

**Copper-Gold**

(see Coffer under copper)

**Copper Jack (18)**

(see under copper)

**Copper King (135)**

(see under lead)

**Copper Queen (173)**

(see under copper)

**Coyote (105)**

(see under lead)

**Coyote (Rightside)**

(see Rightside under copper)

**Coyotte**

(see Coyote under lead)

**Crescent**

(see Orient, Crescent, and Deadwood under copper)

**Daisy**

(see Daisy-Tempest under silver)

**Daisy-Tempest (160)**

(see under silver)

**Deadwood**

(see Orient, Crescent, and Deadwood under copper)

**Defender (59)**

(see under zinc)

**Dille**

(see Pelkey and Dille under copper)

**Dora**

(see Acme under lead)

**Double Standard (90)**

(see under copper)

**Douglas**

(see under tungsten)

**Douglas Hunter****Loc:** Northport dist. **Ore:** Gold, silver. **Ref:** 104, 9/30/32, p. 29.**Dumbolton (190)****Loc:** Secs. 11 and 12, (31-39E), on Douglas Mtn., Springdale area. **Access:** 2 mi. from road. **Prop:** 10 claims. **Owner:** P. S. Dumbolton, Spokane, Wash. (1949). **Ore:** Reportedly gold, mercury, and tin. **Ore min:** Cinnabar. **Ref:** 158.**Eagle (178)**

(see under silver)

**Eagle Newport**

(see Aguila under lead)

**Easter Sunday (25)****Loc:** Near center E½ sec. 22, (40-37E), Orient dist. **Elev:** 3,550 ft. **Access:** 8 mi. E. of Rockcut on Easter Sunday Lk. road. **Prop:** 2 patented claims: Easter Sunday, Cairn. **Owner:** D. C. Ames & Associates, Kenilworth, Ill. (1949). Memphis Mining Co. (1903). Waukegan Mining Co. (1903). Waukegan & Washington Mining & Smelting Co. (1907). Forest Mining & Milling Co. (1909). **Ore:** Gold, copper, silver. **Ore min:** Pyrite, chalcoppyrite, sphalerite, galena, boulangerite, tetrahedrite. **Deposit:** 2- to 6-ft. quartz vein in cherty argillite. Vein sparsely mineralized and cut off by a monzonite dike. **Dev:** 130-ft. inclined shaft and 2 short levels run at 70 and 100 ft. from the collar, total 550 ft. of workings. 480-ft. diamond drill hole. **Assays:** 20-ton shipment av. 1.21% Cu, 0.44 oz. Au, 12.4 oz. Ag. **Prod:** Shipped approx. 20 tons of ore in 1909. **Ref:** 7, pp. 83-84. 30, p. 131. 33, 1907, p. 1156. 98, 1925, p. 1817. 100, 1903, pp. 100-101. 111, p. 8. 112, p. 178. 114, no. 5, 1909, p. 60. 116, no. 12, 1907, p. 15. 132, pp. 141-142. 164, pp. 274-275.**Easy Money**

(see Magma under zinc)

**Edna (191)**

(see under copper)

**Eldorado****Loc:** Sec. 19, (40-42E), adjoining the Lucile property, Northport dist. **Ore:** Gold. **Ref:** 97, 1928, p. 703. 106, 9/17/28, p. 24.**Eldorado (Magma)**

(see Magma under zinc)

**Elmo (74)**

(see under copper)

**Elvick (93)****Loc:** NW¼SE¼ sec. 7, (40-40E), Northport dist. **Access:** Near road. **Prop:** 2 unpatented claims. **Owner:** Mike Elvick, Northport, Wash. (1941). **Ore:** Gold, lead. **Deposit:** Quartz vein in which are small pockets and lenses of ore. **Dev:** Two 100-ft. adits and some open cuts. **Ref:** 30, p. 104.**Empire****Loc:** Adjoins Sunnyside property, Orient dist. **Ore:** Gold. **Ref:** 63, p. 108.**Enterprise****Loc:** Orient dist. **Owner:** American Scotia Mining Co. (1918). **Ore:** Gold, silver, copper. **Ref:** 112, p. 165.**Eureka (Eureka and Orient, Indian, Orient Eureka) (3)****Loc:** Secs. 13, 24, and 25, (40-36E), E. of Kettle R., Orient dist. **Elev:** 2,485 ft. **Access:** 5 mi. by road from railroad at Rockcut. **Prop:** 11 patented and 14 unpatented claims. **Owner:** Orient Eureka Gold Mines Co., Tacoma, Wash. (1951). **Ore:** Gold, silver, lead, zinc, copper. **Ore min:** Galena, chalcoppyrite, sphalerite, pyrite. **Deposit:** Several quartz veins in schist and diabase. **Dev:** 1,500 ft. of workings in adits, shafts, and open cuts. **Assays:** Some veins returned \$32 Au, others \$60 Pb and Zn. **Prod:** Produced in 1890's. **Ref:** 108, 9/39, p. 30. 164, p. 292.**Eureka (Uncle Sam)**

(see Uncle Sam under lead)

**Eureka and Orient**

(see Eureka)

**Examiner**

**Loc:** On Mineral Hill in the Flat Cr. area, Northport dist.  
**Prop:** 4 claims. **Owner:** Examiner Mining Co. (1902). **Ore:** Gold, silver. **Deposit:** 6-ft. vein. **Dev:** 450 ft. of adits and shafts. **Assays:** \$2 to \$16 Au, Ag. **Ref:** 88, pp. 6-7.

**Express**

(see St. Paul-Express under copper)

**F. H. and C. (Faith, Hope, and Charity; or Acme) (13)**

**Loc:** Secs. 19 and 30, (40-37E), Orient dist. **Elev:** 2,600 ft. **Access:** 5 mi. NE, of Rockcut by road. **Prop:** 3 patented, 10 unpatented claims. **Owner:** Goldstake Mining Corp. (1941). F. H. & C. Gold Mining Co. (1918-1920). Acme Consolidated Mines, Inc. (1930). **Ore:** Gold, silver. **Ore min:** Pyrite. **Deposit:** 3- to 5-ft. quartz vein. **Dev:** 250-ft. shaft with drifts on 4 levels, total 1,500 ft. Large amount of open-cut work. **Assays:** Smelter shipment said to return 2.36 oz. Au, 1.9 oz. Ag. **Prod:** 1 small shipment to Tacoma smelter about 1917, produced 1929. **Ref:** 1-B, 7/21/32, p. 1. 30, p. 118. 97, 1918, p. 510; 1930, p. 676. 98, 1920-1925. 104, 6/15/35, p. 27; 2/29/36, p. 28; 12/15/36, p. 27. 112, p. 178. 113, April-May 1934, p. 15. 158. 164, pp. 277-278.

**Faith**

(see F. H. and C.)

**Father Lode**

**Loc:** Orient dist. **Ore:** Gold. **Prod:** 1933. **Ref:** 97, 1934, p. 297.

**Fidelity (92)**

**Loc:** Sec. 6, (40-40E), Northport dist. **Ore:** Gold, copper. **Ref:** 58, p. 22. 63, p. 106.

**First Thought (47)**

**Loc:** Secs. 7 and 18, (39-37E). **Elev:** 2,900 ft. **Access:** 3 mi. E. of railroad at Orient, on First Thought Mtn. Lookout road. **Prop:** 17 patented, 11 unpatented claims. **Owner:** Gold Syndicate Corp., Spokane, Wash. (1949—). First Thought Gold Mines Co., Ltd. (1905-1934). First Thought Mining Corp. (1937-1944). **Ore:** Gold, silver. **Ore min:** Pyrite, free gold. **Gangue:** Quartz, calcite. **Deposit:** Mineralized zone 15 to 110 ft. wide in rhyolite porphyry and quartz latite. Richer ores in the zone occur at intersections of faults. **Dev:** 1½ mi. of workings on 7 levels. **Assays:** 40,000 tons of ore av. ¾ oz. Au, ½ oz. Ag. **Prod:** \$1,350,000 in gold prior to 1948. Produced 1904, 1906-1909, 1934-1942. **Ref:** 7, pp. 71-76. 30, pp. 117-118. 39. 68, p. 9. 97, 1905, 1907-1910, 1931, 1935, 1937-1941. 98, 1918-1926. 99, 11/27/34. 104, 6/15/32, p. 27; 7/15/34, p. 26. 106, 5/5/32. 112, p. 178. 113, 2/18/37, p. 8. 129, p. 164. 130, p. 67. 141, p. 22. 158. 164, pp. 258-260.

**First Thought Extension (49)**

**Loc:** Sec. 18, (39-37E), SE. of the First Thought property, Orient dist. **Access:** Near road. **Prop:** Several claims. **Owner:** May be part of holdings of the Gold Syndicate Corp. **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** Latite flows cut by monzonite dikes. Numerous fault zones in both formations are mineralized by pyrite said to carry gold. **Dev:** 650 ft. of work in main adit. **Assays:** Said to assay up to \$400 Au. **Ref:** 30, p. 135. 114, no. 5, 1909, p. 59. 164, p. 261.

**Fissure (34)**

**Loc:** Sec. 30, (40-37E), Orient dist. **Owner:** Martin Woldsen, Spokane, Wash. **Ore:** Gold, silver. **Ref:** 158.

**Flannigan**

(see Iroquois under zinc)

**Frisco Standard (119)**

(see under silver)

**Galena Farm (132)**

(see under lead)

**Galena Ridge**

(see Galena Farm under lead)

**Gem (58)**

**Loc:** Sec. 19, (39-37E), on N. slope of First Thought Mtn., 6 mi. NE. of Orient. **Elev:** 3,440 ft. **Access:** Road. **Prop:** 4 unpatented claims. **Owner:** Paul Anderson, Colville, Wash. (1941). **Ore:** Gold. **Ore min:** Auriferous pyrite. **Gangue:** Quartz. **Deposit:** Lavas and interbedded sediments cut by monzonite and fine-grained granite dikes. Ore occurs in a 4-ft. fracture zone in one of the granite dikes. **Dev:** 250-ft. adit, 105-ft. shaft, and 4 drifts from 12 to 60 ft. long. **Assays:** Some selected samples assayed \$1,000 Au. Ore said to av. \$40 per ton. **Prod:** 1939. **Ref:** 30, p. 123. 97, 1940, p. 480. 106, 7/21/32, p. 1. 158. 164, p. 271.

**Georgic (70)**

(see under copper)

**Germania (202)**

(see under tungsten)

**Giant Silver**

(see Red Cloud under copper)

**Globe (66)**

(see under copper)

**Gold Bar (127)**

**Loc:** Secs. 15 and 22, (37-38E). **Elev:** 1,600 to 2,100 ft. **Access:** 1,000 ft. E. of State Highway 22 by road. 1½ mi. to railroad at Evans. **Prop:** 120 acres of deeded land in 8 patented claims: Mayflower Nos. 1 to 6 and Contact Nos. 1 and 2. **Owner:** Gold Bar Mining Co., Bossburg, Wash. (1948-1950). **Ore:** Gold, silver, copper, lead, zinc. **Ore min:** Pyrite, tetrahedrite, sphalerite. **Deposit:** Quartz veins from ½ in. to 8 in. wide filling fractures in quartzite and argillite. Veins sparsely mineralized. Small tonnage of ore exposed. **Dev:** About 1,000 ft. of workings in 4 adits and 2 inclines. **Assays:** 7 assays show from 0.005 to 0.15 oz. Au, 1.2 to 62.0 oz. Ag, tr. to 1.3% Pb, tr. to 1.7% Zn, tr. to 0.3% Cu, 1.02% to 2.70% As. **Prod:** 400-lb. test shipment to Bunker Hill smelter prior to 1945. **Ref:** 30, pp. 80-81. 69, p. 8. 158.

**Gold Fisher and White Bear**

**Loc:** Orient dist. **Ore:** Gold. **Prod:** 1933, 1934. **Ref:** 97, 1934, p. 297; 1935, p. 355.

**Gold Hill (Colonel Fish)**

**Loc:** 1 mi. E. of Kettle Falls. **Owner:** G. L. Duckworth (1942). **Ore:** Gold with some silver and lead. **Dev:** 300-ft. shaft with a 600-ft. drift on the 150-ft. level and a 300-ft. drift on the 300-ft. level. Also a 600-ft. adit near the shaft. **Ref:** 158.

**Gold Ledge (143)**

**Loc:** SW¼ sec. 4, (36-38E), Kettle Falls dist. **Access:** Near road. **Prop:** 460 acres of deeded land. **Owner:** Franklin Good (1941). Silver Queen Mining Co. (1934-1935). **Ore:** Gold, silver. **Deposit:** Quartz vein along contact of argillite and porphyry. **Dev:** 150-ft. inclined shaft, large open cut. **Assays:** 6 tons shipped netted \$40 per ton Au, Ag. **Prod:** 6 tons in 1934. **Ref:** 30, p. 56. 97, 1935, p. 355. 99, 1/8/35. 104, 12/15/34, p. 22. 113, April-May 1934, p. 5.

**Gold Reef (Benvenue, Golden Reef) (145)**

**Loc:** SW¼SE¼ sec. 9, (36-38E), on top of hill, Kettle Falls dist. **Elev:** 3,100 ft. **Access:** Road. **Prop:** 4 unpatented claims. **Owner:** William Setzer and Ross Morehead, Colville, Wash. (1949). Bunker Hill & Sullivan Mining & Concentrating Co.

(1932). M. I. Stelman and G. F. Grundy (1938). **Ore:** Gold, silver, copper. **Deposit:** Quartz vein said to av. 2 to 3 ft. wide and to be traceable for 800 ft. Vein is along contact between argillite and an acidic dike. **Dev:** 750 ft. of adits and 165 ft. of shafts and inclines. **Improv:** Small homemade mill. **Assays:** 24 tons shipped to smelter assayed 0.542 oz. Au, 0.834 oz. Ag. **Prod:** \$100,000 reported prior to 1935. 1939 (24 tons). 2 or 3 carloads in 1946 and 1947. **Ref:** 30, p. 55. 68, p. 9. 97, 1910-1912, 1915. 104, 3/15/32, p. 27; 8/30/32, p. 28. 106, 4/7/32, p. 10. 158. 164, pp. 231-232.

#### Gold Stake (14)

**Loc:** Secs. 19 and 30, (40-37E), between First Thought Mtn. and Summit Mtn. on upper Sand Cr., Orient dist. **Owner:** Goldstake Mining Corp., Orient, Wash. **Ore:** Gold. **Prod:** 1939. **Ref:** 97, 1940. 158.

#### Gold Wreath

**Loc:** T. 36 N., R. 38 E., Kettle Falls dist. **Ore:** Gold. **Prod:** 1931. **Ref:** 97, 1931, p. 478.

#### Golden Hope

(see Sunday)

#### Golden Reef

(see Gold Reef)

#### Graves (69)

(see under copper)

#### Gray Eagle

(see Rightside under copper)

#### Great Republic (91)

(see under copper)

#### H. R. H. (122)

**Loc:** Sec. 12, (40-42E), Northport dist. **Access:** 12 mi. by road to railroad at Boundary. **Owner:** Newton Hartman. **Ore:** Gold. **Ref:** 158.

#### Ham (162)

(see under lead)

#### Harper

(see Pritchard and Harper)

#### Hartford

(see Krug under copper)

#### Hecla (179)

(see under copper)

#### Hi Cliff

(see Uncle Sam under lead)

#### Hidden Treasure (48)

**Loc:** Sec. 18, (39-37E), S. of the Belmont claim. **Access:** Near road. **Prop:** 1 unpatented claim. **Owner:** Abandoned (1941). **Ore:** Gold. **Ore min:** Pyrite. **Gangue:** Quartz. **Deposit:** Pyrite and irregular stringers of quartz occur in a fracture zone in latite near an intrusive monzonite dike. **Dev:** 35-ft. shaft, 60-ft. tunnel, open cuts. **Prod:** 1934. **Ref:** 30, pp. 122-123. 97, 1935, p. 355. 164, pp. 264-265.

#### High Grade

(see Turk under copper)

#### Highland (115)

(see under lead)

#### Homestake (77)

**Loc:** Sec. 19, (39-38E). **Elev:** 3,800 ft. **Access:** Near road. **Prop:** Several unpatented claims. **Owner:** Julius Weston, Northport, Wash. (1941). Minorca-Homestake Mines Co. (1922). Centennial Mines Co. (1924-1926). **Ore:** Gold, copper, silver,

lead. **Ore min:** Chalcopyrite, pyrite, pyrrhotite. **Gangue:** Quartz. **Deposit:** 4½-ft. vein in Jumbo volcanics. **Dev:** 2 shafts 27 and 12 ft. deep. Trenching for 100 ft. along the vein. **Assays:** Said to assay \$17.00 Au, \$8.60 Cu, \$3.15 Ag. At one place the vein is reported to show 4½ ft. of \$31 ore. **Prod:** 100 tons of ore shipped. **Ref:** 30, p. 136. 98, 1925, p. 1808; 1926, p. 1573. 164, pp. 251-252.

#### Honest John (196)

(see under silver)

#### Hope

(see F. H. and C.)

#### Hope and Twin Cabins (86)

(see under copper)

#### Hubbard (96)

(see under lead)

#### Indian

(see Eureka)

#### International (40)

**Loc:** Sec. 6, (39-37E), on N. end of First Thought Mtn., Orient dist. **Elev:** 3,540 to 3,640 ft. **Access:** 2 mi. E. of Rockcut, near road. **Prop:** Several unpatented claims. **Owner:** Abandoned (1941). **Ore:** Gold, silver, copper. **Deposit:** Latite lavas and interbedded Tertiary shales cut by dikes of monzonite and granite. Work has been concentrated along the contact of the dikes with latite and shale. **Dev:** 2 shafts, one 125 ft. deep, and an adit about 1,000 ft. long. **Assays:** Tr. to \$27 Au, Ag reported. **Ref:** 30, p. 133. 164, pp. 261-262.

#### Interstate

**Loc:** Orient dist. **Owner:** Vulcan Mining Co. (1915-1924). **Ore:** Gold, silver. **Ref:** 97, 1915, p. 575. 112, 1918-1926.

#### Iron Cap

(see Ham under lead)

#### Iron Horse

**Loc:** On Deep Cr., Northport dist. **Ore:** Gold, silver, copper. **Ref:** 63, p. 111.

#### Iron Horse (20)

(see under iron)

#### Iron Mask (10)

(see under zinc)

#### Iroquois (114)

(see under zinc)

#### Jay Gould (181)

(see under silver)

#### Jayhawker (24)

(see under copper)

#### John Hays (159)

(see under silver)

#### Juno-Echo (184)

(see under copper)

#### Katy

(see Blue Grass)

#### Kemp Komar

(see Loon Lake under copper)

#### Keough (120)

(see under lead)

#### Kettle River

(see White Elephant)

**Key West**

(see Loon Lake under copper)

**King**

(see Edna under copper)

**Koyotte**

(see Rightside under copper)

**Krug (164)**

(see under copper)

**Lake****Loc:** Orient dist. **Ore:** Gold, copper. **Ref:** 105, 7/4/08, p. 9.**Lakeside (7)**

(see under copper)

**Lakeview**

(see Roosevelt under silver)

**Lem (29)****Loc:** Sec. 27, (40-37E), Orient dist. **Access:** Road. **Prop:** 40 acres of patented land. **Owner:** Lem Gryant, Orient, Wash. (1941). **Ore:** Gold, silver, copper. **Deposit:** Quartz vein 4 to 6 ft. wide. **Dev:** 100 ft. of work in adits and a shaft. **Ref:** 30, p. 120.**Liberty Copper (166)**

(see under copper)

**Little Gem**

(see under silver)

**Little Giant (12)**

(see under lead)

**Little Kitten****Loc:** Stevens County. **Owner:** Mohawk Mining Co. (1908). **Ore:** Gold. **Ref:** 116, no. 5, 1909, p. 117.**Lone Star (102)**

(see under silver)

**Loon Lake Copper (194)**

(see under copper)

**Lottie (78)**

(see under copper)

**Lucky Boy**

(see Turk under copper)

**Lucky Four (123)**

(see under silver)

**Lutjens (94)****Loc:** SW¼ sec. 8, (40-40E), Northport dist. **Access:** Road. **Prop:** 100 acres of deeded land. **Owner:** Adolph Lutjens, Northport, Wash. (1941). **Ore:** Gold. **Deposit:** Quartz vein in argillite has been traced on the surface for 200 ft. **Dev:** 35 ft. of adit work and 50 ft. of work in 3 shafts. Also a few open cuts. **Ref:** 30, p. 100. 106, 7/7/32.**M. and C.**

(see U. S. Copper Gold under silver)

**McAdoo (182)****Loc:** Sec. 8, (32-41E), 3½ mi. E. of Chewelah. **Owner:** New Currency Mining Co. **Ore:** Gold, silver. **Ref:** 158.**McKinley (4)****Loc:** Sec. 24, (40-36E), Orient dist. **Elev:** 2,850 to 3,050 ft. **Access:** About 3 mi. by road and trail NE. of Rockcut. **Prop:** At least 6 claims. **Owner:** Abandoned (1941). **Ore:** Gold, copper, silver, lead. **Ore min:** Pyrite, azurite, malachite. **Gangue:** Quartz, gouge, calcite. **Deposit:** Small quartz veins in diabase, the largest 2 to 14 in. wide. Sparsely mineralized. **Dev:** Severalshafts 10 to 40 ft. deep, and open cuts. **Ref:** 7, pp. 88-89. 30, p. 133. 164, p. 278.**McNally (21)**

(see under copper)

**McNess (26)****Loc:** Sec. 22, (40-37E), Orient dist. **Access:** Road. **Prop:** 2 unpatented claims. **Owner:** Mr. McNess, Orient, Wash. (1941). **Ore:** Gold, copper. **Deposit:** Quartz vein. **Dev:** 100 ft. of shaft. **Ref:** 30, p. 124.**Magma (136)**

(see under zinc)

**Margarete (1)**

(see under lead)

**Maryland**

(see Bonanza Copper under copper)

**Michigan (50)****Loc:** Secs. 7 and 18, (39-37E), Orient dist. **Access:** 1 mi. from road. 4 mi. from Orient. **Prop:** 4 patented claims: Climax, Plutania, Moonlight, Butte. **Owner:** Abandoned (1941). Michigan Gold Mining Co. (1922). Treasure Gold Mining Co. (1937). **Ore:** Gold, silver. **Ore min:** Pyrite. **Deposit:** Gold-bearing pyrite occurs along zones of crushing and faulting in latite flows. The latite has been cut by numerous dikes of monzonite porphyry. **Dev:** 800-ft. and 400-ft. adits, shallow shaft. **Ref:** 30, p. 133. 98, 1920, p. 1497; 1925, p. 1824. 114, no. 5, 1909, p. 59. 158. 164, pp. 260-261.**Middleport (142)**

(see under zinc)

**Minnehaha (171)**

(see under copper)

**Minorca (79)**

(see under copper)

**Mint**

(see under copper)

**Mogul (11)**

(see under copper)

**Molly Gibson (87)****Loc:** Sec. 2, (40-38E), Orient dist. **Access:** ½ mi. from road. **Prop:** 1 unpatented claim. **Owner:** Abandoned (1941). **Ore:** Gold, copper. **Deposit:** Said to be a mineralized fracture zone 1 to 2 ft. wide. **Dev:** 50-ft. shaft, 2 surface cuts. **Ref:** 30, p. 137.**Monahan (197)**

(see under copper)

**Monitor (16)****Loc:** Sec. 29, (40-37E), just W. of the Mystery claim in Box Canyon, Orient dist. **Access:** Near road. **Prop:** 3 unpatented claims. **Owner:** Abandoned (1941). **Ore:** Gold, copper. **Deposit:** Granite dike shows some mineralization at its contact with latite. **Dev:** 75-ft. adit, 35-ft. shaft. **Ref:** 30, p. 128. 164, p. 282.**Montana (83)****Loc:** Sec. 20, (39-38E), Orient dist. **Elev:** 3,475 ft. **Ore:** Gold, copper. **Ore min:** Pyrite. **Deposit:** Vein in Rossland volcanics. **Dev:** A few open cuts and a small shaft. **Ref:** 164, p. 256.**Montana and Washington (35)**

(see under copper)

**Montgomery (189)**

(see under copper)

**Montgomery (Platsburg)**

(see Platsburg under copper)

**Moonlite**

(see Morning under silver)

**Moore (106)**

**Loc:** Sec. 25, (40-39E), Northport dist. **Access:** Road. **Prop:** Patented ranch land. **Owner:** John Moore, Northport, Wash. (1941). **Ore:** Gold, silver, copper. **Deposit:** Small fracture zone impregnated with mineralized quartz. **Dev:** 225-ft. adit with a 60-ft. crosscut. **Ref:** 30, p. 106.

**Moraski (111)**

(see under copper)

**Morning (137)**

(see under silver)

**Morning Star**

**Loc:** Orient dist. **Owner:** American-Scotia Mining Co. (1918). **Ore:** Gold, silver, copper. **Ref:** 112, p. 165.

**Mount Olive (51)**

**Loc:** Sec. 18, (39-37E), Orient dist. **Owner:** Valley Dew M. & M. Co. (1908). **Ore:** Gold. **Ref:** 116, no. 4, 1908, p. 91.

**Mountain View (103)**

(see under silver)

**Mountain View Extension (104)**

(see under silver)

**Mullen (187)**

(see under lead)

**Mullen Iron (126)**

(see under iron)

**Myceerah (117)**

(see under lead)

**Myrtle**

(see under lead)

**Mystery (19)**

(see under copper)

**Nabob (180)**

(see under copper)

**Napoleon (125)**

(see under iron)

**Nellie S.**

(see Chewelah Standard under copper)

**Nest Egg (61)**

**Loc:** Sec. 30, (39-37E), 15 mi. from Bossburg, Northport dist. **Access:** Road. **Ore:** Gold, silver, copper. **Ref:** 58, p. 48, 63, p. 108.

**Newport (Eagle-Newport)**

(see Aguila under lead)

**Noble Four**

(see under copper)

**North Star (55)**

**Loc:** SE¼ sec. 18, (39-37E). **Elev:** 2,400 ft. **Access:** 3 mi. E. of Orient by road. **Prop:** Several claims. **Owner:** Abandoned (1941). Valley Dew M. & M. Co. (1908). North Star Mining Co. (1908-1909). **Ore:** Gold. **Ore min:** Pyrite. **Gangue:** Calcite, quartz, gouge. **Deposit:** Mineralized shear zone about 6 ft. wide in quartz latite. **Dev:** 580-ft. drift and 70-ft. crosscut, also a shaft which intersects the drift. **Assays:** \$1.50 in Au reported. **Ref:** 7, p. 77. 30, p. 121. 114, no. 5, 1909, p. 60. 116, no. 4, 1908, p. 91. 164, p. 265.

**Northport (99)**

**Loc:** SW¼ sec. 16, (39-40E), on N. side of Fish Cr. **Elev:** 2,230 ft. **Access:** 3 mi. SE. of Northport by road. **Ore:** Gold. **Ore min:** Limonite. **Deposit:** Brecciated zone of limonitic replacement in limestone 3 ft. wide. **Dev:** 65-ft. shaft, 93-ft. crosscut. **Assays:** Reportedly \$12 Au at bottom of the shaft. **Ref:** 164, pp. 316-317.

**O-Lo-Lim (204)**

(see under copper)

**O'Neal-Schenk**

(see Rightside under copper)

**Ora**

(see under copper)

**Orazada (203)**

(see under silver)

**Orient, Crescent, and Deadwood (63A)**

(see under copper)

**Orient Eureka**

(see Eureka)

**Oropacum (43)**

**Loc:** Sec. 7, (39-37E), just N. of the First Thought mine, Orient dist. **Elev:** 3,250 ft. **Access:** Near road. **Prop:** 1 unpatented claim. **Owner:** May be part of Gold Syndicate Corp. holdings (1951). **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** Fracture zones in quartz latite have been impregnated with quartz and pyrite. **Dev:** 2 shafts connected by a drift total about 50 ft. of work. **Assays:** Mineralized zone said to give a general assay of \$3 Au. Picked samples said to run as high as \$47 Au. **Ref:** 30, p. 134. 164, p. 264.

**Orpha (80)**

(see under copper)

**Pacific Copper (167)**

(see under copper)

**Pay Streak (88)**

**Loc:** Sec. 2, (40-38E), Orient dist. **Access:** Near road. **Prop:** 1 unpatented claim. **Owner:** Abandoned (1941). **Ore:** Gold. **Deposit:** Quartz vein about 1 ft. wide. **Dev:** Open cuts. **Ref:** 30, p. 136.

**Paymaster**

(see under copper)

**Payne (185)**

(see under copper)

**Pedivar**

(see under silver)

**Pedro (84)**

**Loc:** Sec. 20, (39-38E), E. of Antelope mine, Orient dist. **Elev:** 3,600 ft. **Prop:** 1 claim. **Ore:** Gold, silver, copper. **Ore min:** Pyrite and small amount of chalcopyrite. **Deposit:** Small outcrop of a vein in Jumbo volcanics. **Dev:** 8-ft. shaft. **Assays:** Said to assay \$8.20 Au, Ag, Cu. **Ref:** 164, p. 251.

**Pelkey and Dille (22)**

(see under copper)

**Pennant (52)**

**Loc:** Sec. 18, (39-37E), Orient dist. **Owner:** Valley Dew M. & M. Co. (1908). **Ore:** Gold. **Ref:** 116, no. 4, 1908, p. 91.

**Perry (2)**

(see under lead)

**Platsburg (165)**

(see under copper)

**Pomeroy (27)**  
(see under zinc)

**Pop (71)**  
(see under copper)

**Princess**  
**Loc:** Orient dist. **Ore:** Gold. **Prod:** 1926. **Ref:** 97, 1926, p. 470.

**Pritchard and Harper (129)**  
**Loc:** SE¼ sec. 5, (37-39E), Clugston Cr. area. **Access:** Road. **Prop:** 160 acres of deeded land. **Owner:** Messrs. Pritchard and Harper, Portland, Oreg. (1941). **Ore:** Gold, tungsten. **Gangue:** Quartz. **Deposit:** Fracture zone 200 ft. wide is impregnated with quartz and said to carry values in gold and tungsten. **Dev:** Small open cuts. **Improv:** 3 good buildings (1941). **Ref:** 30, p. 80.

**Quadra**  
**Loc:** Near head of Flat Cr., 10 mi. W. of Northport. **Ore:** Gold, silver, copper. **Ref:** 63, p. 107.

**Reardon Copper**  
(see Turk under copper)

**Red Cloud (200)**  
(see under copper)

**Red Lion (42)**  
(see under copper)

**Red Sheaf (128)**  
**Loc:** Secs. 8 and 17, (37-39E), Clugston Cr. dist. **Access:** Road. **Prop:** 160 acres under lease. **Owner:** Lloyd T. Jacobson and Swen Nelson (1941). **Ore:** Gold, copper, zinc, silver. **Deposit:** Quartz vein. **Dev:** About 255 ft. of adits, several open cuts. **Assays:** Said to av. \$6 per ton in all values. **Ref:** 30, p. 81.

**Redwood**  
(see Eagle under silver)

**Regina (23)**  
(see under copper)

**Revenue**  
(see under copper)

**Rich Four**  
**Loc:** Near Sheep Cr., 12 mi. from Northport. **Ore:** Gold. **Deposit:** Quartz in slate. **Ref:** 63, p. 106.

**Rightside (148)**  
(see under copper)

**Rinchaw**  
(see Middleport under zinc)

**Robena**  
(see Young America under zinc)

**Rocky Creek**  
(see Burrus under zinc)

**Rocky Lake (154)**  
(see under molybdenum)

**Roosevelt (112)**  
(see under silver)

**Royal Gold**  
(see Hubbard under lead)

**St. Crispin (107)**  
**Loc:** Sec. 25, (40-39E), on Sheep Cr. **Elev:** 1,400 ft. **Access:** About 1 mi. W. of Northport by road. **Prop:** 6 unpatented claims. **Owner:** Abandoned (1941). St. Crispin Mining, Milling, Smelt-

ing and Development Co. (1908-1926). **Ore:** Gold, copper, silver, lead. **Gangue:** Quartz. **Deposit:** Mineralized zone in argillite. Said to be 8 more similar zones. **Dev:** 470-ft. shaft, 50-ft. shaft, and about 150 ft. of crosscuts, all caved (1941). **Assays:** 4% Cu, \$26 Au, 13 oz. Ag. **Ref:** 30, p. 96. 98, 1925, p. 1830; 1926, p. 1593. 116, no. 2, 1908, p. 24. 164, pp. 315-316.

**St. Paul-Express**  
(see under copper)

**Saratoga**  
**Loc:** On ridge between Kettle and Columbia Rivers, on Saratoga Mtn., Orient dist. **Ore:** Gold, silver, copper, lead. **Ref:** 63, p. 107.

**Scandia (100)**  
(see under zinc)

**Schenk**  
(see Rightside under copper)

**Scotia (67)**  
(see under copper)

**Scott (138)**  
**Loc:** Sec. 6, (37-41E), on J. W. Scott's 160-acre ranch at Aladdin. **Elev:** 2,450 ft. **Prop:** Deeded land. **Owner:** J. W. Scott (1934). **Ore:** Gold, silver. **Ore min:** Pyrite. **Deposit:** Series of erratic lenticular quartz veins 0 to 30 in. wide parallel to bedding in argillite. **Dev:** 50-ft. inclined shaft. **Assays:** Tr. Au, 0.33 oz. Ag. **Ref:** 158.

**Second Thought (56)**  
**Loc:** Near center SW¼ sec. 18, (39-37E), adjoining First Thought property on SE. **Elev:** 2,700 ft. **Access:** 3 mi. E. of Orient by road. **Prop:** 5 claims and 3 fractions. May be part of holdings of Gold Syndicate Corp. **Owner:** Second Thought Gold Mines Co. (1909-1920). Valley Dew M. & M. Co. (1908). **Ore:** Gold, silver. **Ore min:** Pyrite. **Deposit:** Pyrite impregnations and joint and fault fissure fillings in quartz latite cut by quartz monzonite dikes. **Dev:** 64-ft. shaft, 40-ft. shaft, 22-ft. shaft, 5 other shafts, and some open cuts. **Assays:** Pyritiferous material said to assay \$2 Au; some surface ore from Searchlight claim assayed \$8 Au. **Ref:** 7, pp. 76-77. 30, p. 121. 58, p. 61. 114, no. 5, 1909, p. 60. 116, no. 4, 1908, p. 91. 164, pp. 263-264.

**Short Wait (98)**  
(see under lead)

**Sierra Zinc (134)**  
(see under zinc)

**Silent Bell**  
(see Pop under copper)

**Silver Mountain**  
(see Daisy-Tempest under silver)

**Silver Queen**  
(see Ark under silver)

**Smoky Bullion**  
(see A and C under copper)

**Sprague**  
(see Checops under copper)

**Steel Galena**  
(see Ham under lead)

**Sterrett (109)**  
(see under lead)

**Stockwell**  
(see Columbia Tungsten under tungsten)



**Sugar Loaf**

(see Vanasse under silver)

**Summit (8)**

(see under copper)

**Sunday (Sunday Morning Star, Golden Hope) (147)**

**Loc:** S½SE¼ sec. 7, (36-38E), 2 mi. NE. of Kettle Falls.  
**Elev:** 2,000 to 2,300 ft. **Access:** Road. **Prop:** 3 unpatented claims: John G. Mine, Columbia Mine, Rock Rose Mine. **Owner:** Golden Hope Mining Co. (1940). Reportedly abandoned in 1941. **Ore:** Gold, silver. **Deposit:** 2 quartz veins 4 to 6 in. wide in argillite and limestone. **Dev:** 3 adits, one 350 ft. long; shaft 150 ft. deep; other shallow shafts and open cuts. **Assays:** Ore said to av. \$25 per ton. **Prod:** 1912, 1915. **Ref:** 30, p. 55. 97, 1912, p. 923; 1915, p. 574. 158. 164, p. 233.

**Sunday Morning Star**

(see Sunday)

**Sunnyside**

**Loc:** Near Saratoga property, Orient dist. **Ore:** Gold, silver, copper. **Ref:** 63, p. 107.

**Sunset (108)**

(see under lead)

**Superior Copper (169)**

(see under copper)

**Sure Thing (60)**

**Loc:** Sec. 25, (39-36E). **Elev:** 2,000 ft. **Access:** 3 mi. SE. of Orient by road and trail. **Prop:** 4 unpatented claims. **Owner:** Abandoned (1941). **Ore:** Gold, copper. **Ore min:** Pyrite. **Deposit:** Calcareous argillite cut by monzonite dikes. Fracture zones slightly mineralized with auriferous pyrite. **Dev:** Several open cuts and shallow shafts. **Ref:** 30, p. 123. 164, p. 270.

**Surprise**

(see Uncle Sam under lead)

**Swamp King (36)**

**Loc:** Sec. 30, 40-37E), adjoining Little Giant on the E. **Elev:** 2,650 ft. **Access:** Road. **Prop:** 5 unpatented claims. **Owner:** Andrew Abrahamson and Joe Bodbout, Orient, Wash. (1941). Swamp King Mining Co. (1915). **Ore:** Gold, silver. **Ore min:** Free gold, pyrite. **Deposit:** Quartz vein about 8 in. wide in diabase cut by camptonite dikes. **Dev:** 60-ft. adit and 3 shafts total 200 ft. of workings. **Prod:** Small shipment reported. **Ref:** 7, p. 88. 30, p. 122. 158. 164, pp. 285-286.

**Swamp Queen**

**Loc:** Orient dist. **Ore:** Gold. **Prod:** Test shipment in 1928. **Ref:** 97, 1928, p. 703.

**Sweet Home**

(see Big Jim)

**Syndicate**

(see under copper)

**Tempest (161)**

(see under silver)

**Thomason Queen (158)**

(see under copper)

**Three Orphans (9)**

(see under lead)

**Titanic (Valley Dew) (44)**

**Loc:** Sec. 7, (39-37E), W. of First Thought Mtn., Orient dist. **Elev:** 3,500 ft. **Access:** Road. **Prop:** 10 unpatented claims. **Owner:** Abandoned (1941). Titanic Mining Co., Spokane, Wash. (1915-1920). **Ore:** Gold, silver. **Ore min:** Pyrite. **Deposit:**

Latite cut by numerous monzonite dikes. Fracture zones in these rocks are mineralized by auriferous pyrite. **Dev:** 551-ft. adit, 540-ft. adit, and 400-ft. Gettern adit. **Assays:** One zone said to assay \$8 Au. Assay in 1909 reports \$18.85 Au, 1 oz. Ag. **Ref:** 30, pp. 133-134. 114, no. 5, 1909, p. 59. 164, pp. 262-263.

**Tom Moore (33)**

(see under lead)

**Tramp**

(see under copper)

**Treadwell**

(see Iron Mask under zinc)

**Trojan (62)**

**Loc:** N½ sec. 30, (39-37E). **Elev:** 2,850 to 3,250 ft. **Access:** 2 mi. up Bear Cr. by trail from Orient. **Owner:** Abandoned (1941). Trojan Mining & Milling Co. (1908). **Ore:** Gold, copper, lead, silver. **Ore min:** Pyrite, pyrrhotite, galena. **Deposit:** Tuffs, shales, and greenstone cut by monzonite are scantily mineralized along fractures and along contact of sedimentary rocks and monzonite. **Dev:** 3 adits and a shallow shaft aggregate several hundred ft. of workings. **Assays:** Small amounts of gold. **Ref:** 7, pp. 81-82. 30, p. 122. 116, no. 4, 1908, p. 91; no. 5, 1909, p. 62. 164, pp. 270-271.

**Trophy (53)**

**Loc:** Sec. 18, (39-37E), Orient dist. **Access:** Near road. **Prop:** 4 claims: Buckeye, Wild Rose, Wild Rose Fraction, Imperial. **Owner:** L. E. Gourlie, Orient, Wash. (1941). Valley Dew M. & M. Co. (1908). Trophy Gold Mining Co. (1909). Trophy Gold Mining & Milling Co. (1920). **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** Latite and interbedded shale cut by monzonite porphyry dikes. Fracture zones mineralized with pyrite carry some gold. **Dev:** 300 ft. of adit and 100 ft. of shaft work. **Assays:** Said to range from tr. to \$12 Au. **Ref:** 30, p. 123. 116, no. 4, 1908, p. 91; no. 5, 1909, p. 60. 164, pp. 265-266.

**Tungsten King (195)**

(see under tungsten)

**Turk (199)**

(see under copper)

**Twilight (68)**

(see under copper)

**Twin Cabins**

(see Hope and Twin Cabins under copper)

**U. S. Copper Gold (186)**

(see under silver)

**Udehard (6)**

**Loc:** Sec. 17, (40-37E), on divide between Box Canyon and Deep Cr., Orient dist. **Elev:** 2,840 ft. **Access:** Road. **Prop:** 4 claims: Billiken, Commonwealth, Socialist, Dauntless. **Owner:** Abandoned (1941). **Ore:** Gold, copper. **Ore min:** Chalcopyrite, pyrite, bornite, malachite, limonite. **Gangue:** Siderite. **Deposit:** Rossland volcanics in which are 2 fracture zones that have been somewhat mineralized. **Dev:** 2 adits, one 35 ft. long, the other about 65 ft. long. Several open cuts. **Assays:** Ore said to assay \$20 Au, \$11 Cu. **Ref:** 30, p. 128. 164, pp. 283-284.

**Uncle Sam (72)**

(see under copper)

**Uncle Sam (Hi Cliff) (130)**

(see under lead)

**United Copper (172)**

(see under copper)

**United Silver Copper**

(see United Copper under copper)

**United Treasure (116)**

(see under silver)

**Valley Dew**

(see Titanic)

**Van Stone (133)**

(see under zinc)

**Vanasse (144)**

(see under silver)

**Victory**

(see Vanasse under silver)

**Viking (39)**

(see under copper)

**War Eagle (81)**

**Loc:** Sec. 19, (39-38E), Orient dist. **Owner:** Centennial Mines Co. (1924-1926). American-Scotia Mining Co. (1918). **Ore:** Gold, silver, copper. **Ref:** 98, 1925, p. 1808; 1926, p. 1573. 112, p. 165.

**Washington**

(see Montana and Washington under copper)

**Wells Fargo (193)**

(see under antimony)

**Western Molybdenum**

(see Juno-Echo under copper)

**White Bear**

(see Gold Fisher and White Bear)

**White Elephant (Kettle River) (5)**

**Loc:** Near center sec. 19, (40-37E), Orient dist. **Elev:** 2,650 ft. **Access:** 4 mi. from Rockcut by road. **Prop:** 6 unpatented claims: Kettle River, Rossland Mountain, Golden Cycle, Golden Triangle, Little Tiger, Little Penny. **Owner:** Kettle River Gold Mining Co., Spokane, Wash. (1934-1941). Orient Gold Mines, Ltd. (1915-1918). Orient Golden Rock Mining Co. (1918-1922). Gold Fissure Mining Co. (1935-1937). **Ore:** Gold, silver, copper. **Ore min:** Pyrite. **Deposit:** Mineralized zone in limestone and quartzite cut by fine-grained dikes and quartz veins. **Dev:** 225-ft. shaft; 85-ft. crosscut and 110 ft. of drifting on 100-ft. level, 50 ft. of drifting and 50 ft. of crosscutting on 200-ft. level. **Assays:** Ore said to av. \$7.00 Au. **Ref:** 30, p. 120. 98, 1918-1925. 99, 1/29/35. 104, 6/15/35, p. 27; 2/29/36, p. 28; 12/15/36, p. 27; 2/28/37, p. 28. 106, 7/21/32, p. 1. 112, p. 196. 150, p. 34. 158. 164, p. 292.

**White Horse (95)**

(see under copper)

**Wilkerson (141)**

**Loc:** Sec. 21, (37-41E), Northport dist. **Access:** Road. **Prop:** 3 unpatented claims. **Owner:** A. E. Wilkerson, Aladdin, Wash. (1941). **Ore:** Gold. **Deposit:** Quartz vein 6 to 30 in. wide. **Dev:** 134 ft. of adit. **Ref:** 30, p. 92.

**Windfall (188)**

(see under copper)

**Winslow (177)**

(see under lead)

**Yellow Jacket (17)**

**Loc:** Sec. 29, (40-37E), Orient dist. **Access:** Near road. **Prop:** 1 unpatented claim. **Owner:** Abandoned (1941). **Ore:** Gold. **Ore min:** Pyrite. **Gangue:** Quartz. **Deposit:** 1-ft. vein lies along contact between granite and calcareous quartzite.

**Dev:** Large open cut. **Assays:** Vein said to assay \$20 Au. **Ref:** 30, p. 124. 164, pp. 281-282.

**Young America (124)**

(see under zinc)

**WHATCOM COUNTY****Alameda (29)**

**Loc:** Sec. 28, (38-17E), Slate Cr. dist. **Ore:** Gold. **Deposit:** 3-ft. quartz vein. **Assays:** \$28 to \$35 (1897). **Ref:** 63, p. 58.

**Allen Basin (28)**

**Loc:** Sec. 34, (38-17E), in Allen Basin, Slate Cr. dist. **Access:** 5 mi. by road NW. of Harts Pass. **Prop:** 14 patented claims. **Owner:** Slate Creek Mining Co., Seattle, Wash. (1949). Cascadian Engineering Corp. (1932, 1934). Flying Cloud Mining Co. (1932-1933). **Ore:** Gold, silver, lead, zinc. **Ore min:** Free gold, arsenopyrite, pyrite, and some galena and sphalerite. **Deposit:** At least 2 quartz veins 3 to 30 in. thick cutting sedimentary and igneous rocks. **Dev:** 2 shafts, a caved adit, and several open cuts. **Assays:** Av. grade of ore is \$1.25 to \$3.00 Au. All values av. \$12 to \$15 per ton. **Prod:** Some ore apparently shipped in early 1900's and a few tons in 1938-1940. **Ref:** 104, 10/15/32, p. 29; 3/15/33, p. 17. 106, 7/7/32; 10/6/32, p. 9; 11/6/32, p. 9. 158.

**Alphretta (25)**

**Loc:** Sec. 3, (38-17E). **Prop:** 1 patented claim. **Owner:** John Buchanan and Randle S. Case, Seattle, Wash. (1952). **Ore:** Gold. **Ref:** 158.

**American Eagle**

(see St. Francis)

**Anacortes (27)**

**Loc:** SW¼ sec. 24, (38-16E), near head of Cascade Cr., Slate Cr. dist. **Prop:** 7 claims. **Owner:** Anacortes Gold Mining Co. (1935-1939). **Ore:** Gold, silver. **Ore min:** Free gold, tellurides, sulfides. **Deposit:** Quartz vein av. 2 ft. wide in slate and conglomerate. **Dev:** 310-ft. drift, 100-ft. drift, 90-ft. drift. **Assays:** Av. \$18 to \$20 Au, Ag. **Prod:** Has produced. **Ref:** 63, p. 57. 88, pp. 49-50. 104, 7/15/32, p. 29; 10/15/35, pp. 25-26; 9/15/36, p. 34. 113, 7/36. 114, no. 5, 1909.

**Anoka (47)**

**Loc:** Sec. 11, (37-16E), Slate Cr. dist. **Prop:** 6 patented claims. **Owner:** John E. Wells, Tulsa, Oklahoma (1952). Mountain Top Mining Co. (1912). **Ore:** Gold. **Assays:** As high as \$48 Au. **Prod:** Stamp mill operated in 1900's. **Ref:** 158.

**Azurite (59)**

**Loc:** Secs. 30 and 31, (37-17E) and secs. 25 and 36, (37-16E), on Mill Cr., Slate Cr. dist. **Access:** Truck road over Harts Pass from Methow Valley. **Prop:** 42 unpatented claims including Azurite, Copper Dike, Seattle (1949). 11 unpatented claims (1952). **Owner:** Azurite Gold Co., Winthrop, Wash. (1925—). Leased by American Smelting & Refining Co. (1934-1943). **Ore:** Gold, copper, zinc, silver, lead. **Ore min:** Chalcocite, sphalerite, pyrite, pyrrhotite, galena. **Deposit:** A 2- to 7-ft. quartz vein cutting through argillite is mineralized in places. Other undeveloped veins are also reported. Ore-producing body has been depleted. **Dev:** About 3,000 ft. of adit work, chiefly on 2 levels. Since 1941 a 125-ft. winze was sunk and crosscuts were driven both ways from the winze. **Assays:** 58,358 tons shipped av. 0.473 oz. Au. **Prod:** 1920, 1930, 1934, 3,000 tons in 1936, 27,530 tons in 1937, 36,515 tons in 1938, 5,375 tons in 1939. Produced 1941. Gross value of production reported \$972,000. **Ref:** 46, pp. 230-231. 97, 1920, 1930, 1934, 1937-1939. 98, 1920-1926. 104, 11/30/35, p. 26; 2/29/36, p. 28; 12/15/36, p. 27. 106, 12/19/29; 5/1/30; 12/4/30; 3/19/31, pp. 19-20. 108, 7/39, p. 22; 10/39, p. 32. 158.

**B. C. & M. (51)**

**Loc:** Sec. 20, (37-16E), 2 mi. up Granite Cr. above junction with Canyon Cr. **Prop:** 1 claim. **Owner:** Berry, Clark, and Roger McRea, Rockport, Wash. **Ore:** Gold, silver. **Ref:** 158.

**Baltimore (30)**

**Loc:** NW¼ sec. 27, (38-17E), at head of Barron Cr., Slate Cr. dist. **Access:** 10 mi. by road NW. of Harts Pass. **Prop:** 22 unpatented claims. **Owner:** Baltimore Mines, Inc., Seattle, Wash. (1949—). **Ore:** Gold, zinc, lead. **Ore min:** Free gold, pyrite, galena, sphalerite. **Deposit:** Quartz veins in quartzite and argillite reportedly 3 to 6 ft. wide. **Dev:** 1 adit about 600 ft. long, several open cuts. **Improv:** Mine camp for 10 to 15 men and complete equipment for small-scale mining (1940). **Assays:** Av. value said to be \$15 to \$20 per ton. **Ref:** 68, p. 6. 106, 4/15/37, p. 35. 158.

**Beck and Short Grub (31)**

**Loc:** Sec. 36, (38-17E), Slate Cr. dist. **Prop:** 2 claims. **Owner:** Mrs. John A. Barron, Anacortes, Wash. (1952). **Ore:** Gold, silver, copper. **Deposit:** Quartz vein 3 to 6 in. wide in slate intruded by porphyry. **Assays:** 2.75 oz. Au, 51.0 oz. Ag. **Ref:** 58, p. 6. 63, p. 57. 114, no. 5, 1909. 158.

**Bird and Saw Pits (53)**

**Loc:** Sec. 4, (37-17E), Slate Cr. dist. **Prop:** 2 patented claims. **Owner:** Mrs. Guy Waring, Melton, Mass. (1952). **Ore:** Gold. **Ref:** 158.

**Bismarck (54)**

**Loc:** NE¼NE¼ sec. 3, (37-17E), Slate Cr. dist. **Ore:** Gold, copper, silver. **Deposit:** 4-ft. vein. **Ref:** 63, p. 58.

**Blonden (16)**

**Loc:** Near center sec. 28, (40-9W), Mt. Baker dist. **Ore:** Gold. **Ref:** 158.

**Bonita**

(see New Light)

**Boundary Gold**

(see Lone Jack)

**Boundary Red Mountain (Red Mountain) (11)**

**Loc:** NE¼ sec. 4, (40-9E), 2 mi. S. of the international boundary, Mt. Baker dist. **Access:** Road and trail from Chilliwack, B. C. **Prop:** 6 patented and 5 unpatented claims. Those patented are: Klondike, Rocky Draw, Mountain Boy Lode, Glacier, Climax, Climax Ext. No. 1. **Owner:** Gold Basin Mining and Development Co., Bellingham, Wash. (1954—). Judge Elmon Scott (1897-1912). Boundary Red Mountain Mining Co. (1915-1934). International Gold Mines, Ltd. (1935-1938). J. W. Langley, Sumas, Wash. (1943). Tom Bourn, Bremerton, Wash. (1952). **Ore:** Gold. **Ore min:** Free gold, pyrite, chalcopryrite, pyrrhotite. **Deposit:** Finely divided gold in a quartz vein which varies from 6 in. to 7 ft. and av. 3 ft. in width. The vein can be traced for 4,500 ft. on the surface. Diorite country rock. **Dev:** 3,000 ft. of drifts equally divided among 3 adit levels. Ore developed to depth of 433 ft. below No. 1 level and 100 ft. above. **Assays:** Mine-run ore av. \$15 Au. An ore shoot 520 ft. long and av. 26 in. wide had an av. value of 1.13 oz. Au. **Prod:** 1912-1917, (\$148,578 in 1916, \$131,918 in 1917), 1920-1922, (\$95,000 in 1922), 1925, 1929-1930, 1935, 1936 (200 tons), 1937-1942, 1947. **Ref:** 43, 3/31/23, p. 597. 97, 1913-1916, 1921-1923, 1925, 1930, 1931, 1937-1941. 98, 1918-1926. 99, 12/18/34, 1/8/35, 3/12/35. 104, 4/15/35, p. 23; 5/30/35; 10/30/35, p. 25. 106, no. 18, 1922, pp. 1-2. 117, no. 18, pp. 1-2. 129, pp. 306-309. 130, p. 69. 141, pp. 20, 22, 34. 158.

**Brooks-Willis**

(see Lone Jack)

**Casa Grande (32)**

**Loc:** Sec. 35, (38-17E), Slate Cr. dist. **Prop:** 1 patented claim. **Owner:** E. H. Miller, Yelton McLaughlin, Bellingham, Wash. (1952). **Ore:** Gold. **Ref:** 158.

**Chain Lakes (19)**

(see under zinc)

**Chancellor (Indiana) (33)**

**Loc:** SW¼ sec. 26, (38-17E), 2 mi. N. of the New Light mill, Slate Cr. dist. **Access:** About 6 mi. NW. of Harts Pass by road. **Prop:** 4 patented claims: Indiana, Illinois, Ptarmigan, Chancellor. **Owner:** Frank D. Hyde, Berlin, Maryland (1946—). Chancellor Mining Co. (1907). **Ore:** Gold, silver, lead, zinc. **Ore min:** Pyrite, arsenopyrite, galena, sphalerite. **Deposit:** Quartz-calcite veinlets fill fractures along shear zones in quartzite. Zones are 3 to 12 in. wide. **Dev:** 2 levels 250 ft. apart; one is a 225-ft. adit and the other is an adit with 650 ft. of drifts and crosscuts. **Assays:** 119.4 tons shipped av. 0.735 oz. Au, 3.48 oz. Ag. **Prod:** 1903, 119.4 tons in 1935-1939. **Ref:** 58, p. 33. 104, 8/30/36, p. 26; 10/30/36, p. 32. 114, no. 2, 1906, p. 22; no. 5, 1909, p. 90. 158. 159, p. 133.

**Crown Point (26)**

**Loc:** Near W. ¼ cor. sec. 21, (38-17E), Slate Cr. dist., adjacent to the Anacortes property. **Owner:** R. C. Sylvester, C. I. Carpenter, W. J. Farrell, C. Ashley (1897). **Ore:** Gold, silver. **Deposit:** 4-ft. vein of quartz mixed with black slate. **Dev:** 60-ft. adit. **Ref:** 63, p. 57.

**Dick**

(see Tom, Dick, and Harry)

**Eureka**

(see New Light)

**Evergreen (12)**

**Loc:** NW¼ sec. 21, (40-9E), on Swamp Cr., 2 mi. N. of Shuksan Cabins. **Elev:** 200 ft. above Swamp Cr. **Access:** Across the creek from Swamp Cr. road. **Prop:** 8 unpatented claims: Evergreen Nos. 6 to 13. **Owner:** Bert Lowry, Bellingham, Wash. (1943). Evergreen Mines, Inc., Seattle, Wash. (1937). **Ore:** Gold, silver, lead, zinc, copper. **Ore min:** Sphalerite, galena, pyrite, chalcopryrite. **Gangue:** Quartz, calcite. **Deposit:** Small ore stringers from ½ in. to 8 in. wide in argillite. Pyrite is also disseminated in the argillite. **Dev:** 2 drifts 40 and 30 ft. long. **Assays:** Ore said to av. \$17.00 in all values. **Prod:** Shipped to Tacoma smelter in 1938. **Ref:** 158.

**First Chance (3)**

**Loc:** Sec. 36, (40-7E), Mt. Baker dist. **Access:** About 5 mi. by good road to railroad at Glacier. **Owner:** Lem and Verstanding, Bellingham, Wash. (1934). **Ore:** Gold. **Gangue:** Quartz. **Deposit:** Vein in schists. **Dev:** Several short adits. **Ref:** 119, no. 2, 1913, pp. 1-3. 158.

**First Find and Ivanhoe (34)**

**Loc:** Sec. 36, (38-17E), Slate Cr. dist. **Prop:** 2 patented claims. **Owner:** S. W. Schaefer, Winthrop, Wash. (1952). **Ore:** Gold. **Ref:** 158.

**Fourth of July (22)**

**Loc:** Sec. 32, (39-9E), at head of Swift Cr., on W. side of Mt. Dewey, Baker Lk. dist. **Prop:** 1 claim. **Owner:** J. B. Hall and Griffon Watkins, Bellingham, Wash. (1952). **Ore:** Gold. **Prod:** Stamp mill operated in early days. **Ref:** 158.

**Galena**

(see Verona)

**Gargett (7)**

**Loc:** SW $\frac{1}{4}$  sec. 4 and SE $\frac{1}{4}$  sec. 8, (40-9E), on S. side of Red Mtn., Mt. Baker dist. **Elev:** 5,000 and 7,000 ft. **Access:** Trail from Twin Lakes. **Prop:** 7 unpatented claims. **Owner:** John Curtis, Victor Todd, Bert Boyer, Bellingham, Wash. (1952). Gargett Bros., Sumas, Wash. (1940). **Ore:** Gold, silver, copper, lead, zinc. **Ore min:** Sphalerite, galena, chalcopryrite, pyrite, malachite, chalcocite, azurite, massicot, pyrrhotite. **Deposit:** Mineralized quartz vein in limestone and a band of mineralized siliceous limestone in argillite and quartzite. The vein av. 12 in. in width for a length of 20 ft. **Dev:** Open cut on upper property and a 2,000-ft. adit on the lower property, also a second adit. **Assays:** A 5-ton test shipment av. 1.03 oz. Au, 4.34 oz. Ag, 0.78% Cu, 8% Pb, Zn reported from upper adit. **Prod:** A 5-ton test shipment was made to the Tacoma smelter in 1940. **Ref:** 58, p. 23. 158.

**Glacier**

(see Midas under copper)

**Goat (35)**

(see also New Light)

**Loc:** SW $\frac{1}{4}$  sec. 33, (38-17E), SW. of and adjacent to the Allen Basin claims, Slate Cr. dist. **Prop:** Now part of the Slate Creek group (1950). **Owner:** Slate Creek Mining Co. (1950). **Ore:** Gold. **Prod:** Produced many years ago. **Ref:** 158.

**Goat Mountain (17)**

**Loc:** On Goat Mtn., 4 mi. from Shuksan and 1 mi. E. of Swamp Cr., Mt. Baker dist. Probably in sec. 28, (40-9E). **Prop:** 2 claims. **Ore:** Gold. **Ore min:** Pyrite, free gold. **Deposit:** Quartz vein 6 to 12 in. wide, 450 ft. long. **Dev:** Open cuts. **Assays:** Possibly \$60 to \$70 Au. **Prod:** Small amounts in 1902 and 1903. **Ref:** 158.

**Gold Basin (8)**

**Loc:** Sec. 6, (40-9E), near Red Mountain mine, Mt. Baker dist. **Prop:** 2 claims. **Owner:** International Gold Mines, Ltd. (1935). Wm. White and A. L. Westin, Bellingham, Wash. (1934). **Ore:** Gold. **Ore min:** Free gold. **Gangue:** Quartz. **Deposit:** 4-ft. vein in greenstone and diorite. **Assays:** 1.5 to 2.0 oz. Au. **Prod:** \$17,000 before 1934. **Ref:** 104, 5/30/35. 158.

**Gold Coin (Randall) (55)**

**Loc:** Sec. 4, (37-17E), Slate Cr. dist. **Access:** 12 mi. by trail from road. **Prop:** 4 claims, including: Randall, Good Enough, Gold Bug. **Owner:** W. B. Wells, Anacortes, Wash. (1952). **Ore:** Gold. **Deposit:** Quartz vein in slate. **Dev:** 150-ft. adit. **Assays:** High values reported. **Ref:** 58, p. 56. 158.

**Gold Hill (60)**

(see under silver)

**Gold Ridge**

**Loc:** On both sides of Cascade summit about 10 mi. S. of Canadian line, Slate Cr. dist. **Owner:** Gold Ridge Mining Co. (1902). **Ore:** Gold. **Ore min:** Free gold. **Deposit:** Three E.-trending ledges, four N.-trending ledges. **Dev:** 830 ft. of adits, shafts, raises. **Assays:** Av. \$10 Au. **Ref:** 88, pp. 48-49.

**Gold Run (9)**

**Loc:** SE $\frac{1}{4}$  sec. 5, (40-9E), Mt. Baker dist. **Ore:** Gold, silver, copper. **Prod:** 1938. **Ref:** 58, p. 26. 97, 1939, p. 492. 99, 2/12/35. 104, 1/30/35, p. 23.

**Gold Standard (13)**

**Loc:** Sec. 16, (40-9E), Mt. Baker dist. **Ore:** Gold. **Ref:** 158.

**Golden Arrow**

(see Tacoma)

**Granite (52)**

**Loc:** Sec. 17, (37-16E), at mouth of Granite Cr., Slate Cr. dist. **Prop:** 1 unpatented claim. **Owner:** Morley Bouck, Rockport, Wash. (1952). **Ore:** Gold. **Ref:** 158.

**Great Excelsior (Lincoln, President) (4)**

**Loc:** Sec. 6, (39-8E), W. of Wells Cr. and S. of N. Fk. of Nooksack R. **Elev:** 1,400 to 2,500 ft. **Access:** 2 mi. by trail from the Nooksack Forest Camp. **Prop:** 10 claims and 2 fractions. **Owner:** Great Excelsior Mining Co., H. E. Barnes, Bellingham, Wash. (1902-1952). Hammond Mining Co. (1914-1926). **Ore:** Gold, silver. **Ore min:** Pyrite, chalcopryrite, arsenopryrite, galena, sphalerite, tellurides, native silver. **Gangue:** Quartz, dolomite. **Deposit:** Brecciated greenstone cemented by sulfides. 2 mineralized zones; one is 75 ft. wide and said to be all paying ore. **Dev:** Several adits and a large stope total several hundred ft. of workings. **Assays:** 64 samples showed tr. to 0.08 oz. Au, the av. being 0.02 to 0.03 oz. In some samples Ag av. 2.0 oz. **Prod:** 10,000 tons with net return of \$20,276 to 1915. 305.10 tons of conc. shipped av. 1.857 oz. Au per ton. **Ref:** 1, 1914, pp. 51-53. 88, pp. 43-44. 98, 1918-1926. 112, p. 182. 114, no. 5, 1909, p. 87. 119, no. 2, 1913, pp. 1-3. 145, p. 96. 158. 159, p. 132.

**Harry**

(see Tom, Dick, and Harry)

**Henrietta (5)**

**Loc:** Adjoins the Great Excelsior group, Mt. Baker dist. **Prop:** Group of claims. **Ore:** Gold. **Deposit:** Said to be the same as the Great Excelsior. **Ref:** 159, p. 132.

**Hidden Treasure**

**Loc:** Slate Cr. dist. **Ore:** Gold. **Ref:** 159, p. 133.

**Homestake (36)**

**Loc:** Sec. 27, (38-17E), Slate Cr. dist. **Prop:** 10 unpatented claims. **Owner:** L. A. Gourlie, Winthrop, Wash. (1952). **Ore:** Gold. **Ref:** 158.

**Hoosier (6)**

**Loc:** Near the Great Excelsior group, Mt. Baker dist. **Ore:** Gold. **Ref:** 159, p. 132.

**Indiana (37)**

(see Chancellor)

**Iron Cap (20)**

**Loc:** At Mt. Baker lodge. **Access:** 45 mi. by road from Bellingham. **Prop:** 7 claims. **Owner:** Wm. Entwistle and associates, Seattle, Wash. (1934). **Ore:** Gold. **Dev:** 120-ft. adit, 60-ft. adit. **Assays:** \$16 Au reported. **Ref:** 158.

**Ivanhoe**

(see First Find and Ivanhoe)

**Jarvis**

**Loc:** Mt. Baker dist. **Ore:** Gold. **Ref:** 158.

**June Bug (38)**

**Loc:** Sec. 35, (38-17E), Slate Cr. dist. **Prop:** 4 lode, 2 placer claims. **Owner:** Lena Hendrickson, Bellingham, Wash. (1952). **Ore:** Gold. **Ref:** 158.

**Keystone (39)**

**Loc:** Sec. 35, (38-17E), Slate Cr. dist. **Prop:** 1 patented claim. **Owner:** Frank Shell, Cashmere, Wash. (1952). **Ore:** Gold. **Ref:** 158.

**Lambert**

(see Lone Jack)

**Lincoln**

(see Great Excelsior)

**Lone Jack (Mount Baker, Post-Lambert, Brooks-Willis, Boundary Gold) (14)**

**Loc:** SE  $\frac{1}{4}$  sec. 15 and sec. 22, (40-9E), about 1 mi. SE. of Twin Lakes, near head of W. Fk. Silesia Cr. **Elev:** 4,000 to 6,000 ft. **Access:** Truck road from end of Twin Lks. road. **Prop:** 5 patented, 17 unpatented claims. **Owner:** R. J. Cole, Seattle, Wash., lessee (1951). Mt. Baker Mining Co. (1898-1915). Boundary Gold Co. (1915-1924). Brooks-Willis Metals, Inc. (1928). Estate of P. R. Brooks (1940). **Ore:** Gold, silver. **Ore min:** Free gold, gold telluride. **Deposit:** Quartz vein in schist has an av. width of 30 in. and is traceable for 2,500 ft. Values are localized in payshoots. Gold mostly too finely divided to be seen with the naked eye. **Assays:** Av. tenor of the ore said to be \$15 to \$35 Au. Picked samples ran as high as \$850 per ton. **Prod:** 1902-1905 (\$360,000). Produced 1915-1918. Total production reported to be 9,463 oz. Au, 1,961 oz. Ag. **Ref:** 43, 1902, p. 379. 88, pp. 42-43. 97, 1915-1917, 1924, 1928, 1930. 98, 1920-1925. 105, 1903, p. 140. 112, p. 171. 119, 1913, pp. 1-2. 129, p. 309. 130, p. 69. 141, p. 22. 145, pp. 95-96. 150, p. 35. 158, 159, pp. 131-132.

**Lone Star**

**Loc:** On Swamp Cr., Mt. Baker dist. **Ore:** Gold. **Ore min:** Sulfides, tellurides. **Deposit:** 25-ft. quartz vein. **Dev:** 68-ft. adit, 20-ft. adit. **Ref:** 88, p. 45.

**Maccabee**

**Loc:** Slate Cr. Dist. **Owner:** Cascadian Engineering Corp. (1932). **Ore:** Gold. **Ref:** 106, 7/7/32, p. 14.

**Mammoth (40)**

**Loc:** Sec. 33, (38-17E), Slate Cr. dist. **Elev:** 5,500 to 6,500 ft. **Access:** About 5 mi. NW. of Harts Pass by road. **Prop:** 6 patented and several unpatented claims. **Owner:** Harts Pass Mining Co., Seattle, Wash. (1946). Owens Gold Mines (1935). Mammoth Gold Mines Co. (1935-1936). Mammoth Gold Mining Co. (1936). **Ore:** Gold, silver, lead, zinc. **Ore min:** Pyrite, arsenopyrite, galena, sphalerite, free gold, tellurides. **Deposit:** A 1- to 3-ft. quartz vein in argillite and quartzite carries sulfides together with gold and silver. **Dev:** 3 adits total about 2,250 ft. **Assays:** The 15,000 tons of ore produced av. \$26.50 per ton. **Prod:** Reportedly produced 15,000 tons of ore prior to 1900 and 30,000 tons by 1942. Reportedly more than \$1,000,000 total prior to 1942. **Ref:** 63, p. 57. 88, pp. 47-48. 97, 1923, p. 416; 1935, p. 355. 99, 2/12/35. 104, 4/30/35, p. 29; 11/30/35, p. 26; 3/15/36, p. 23; 8/30/36, p. 24. 158, 159, p. 133.

**Mansfield (10)**

**Loc:** Sec. 19, (40-9E), on Yellow Aster Butte. **Owner:** Chas. M. Sorenson, Bellingham, Wash. (1952). **Ore:** Gold. **Ref:** 158.

**Midas (2)**

(see under copper)

**Minnesota**

(see Seattle-St. Louis)

**Monica**

(see New Light)

**Monte Cristo**

**Loc:** On Canyon Mtn., Slate Cr. dist. **Prop:** 2 claims. **Ore:** Gold. **Deposit:** 2 veins, each about  $7\frac{1}{2}$  ft. wide. **Assays:** Av. \$6 Au. **Ref:** 88, p. 50.

**Morley B. (49)**

**Loc:** Sec. 8, (37-16E), N. of junction of Canyon Cr. and Granite Cr., Slate Cr. dist. **Owner:** Glenn E. Tyler and Morley Bouck, Rockport, Wash. **Ore:** Gold, silver. **Ref:** 158.

**Morovitz**

**Loc:** Mt. Baker dist. **Ore:** Gold, silver. **Ref:** 158.

**Mount Baker**

(see Lone Jack)

**Mountain Goat**

**Loc:** Slate Cr. dist. **Ore:** Gold. **Improv:** 5-stamp mill and cyanide plant (1903). **Ref:** 159, p. 133.

**Myrtle (41)**

**Loc:** Sec. 35, (38-17E), Slate Cr. dist. **Prop:** 1 patented claim. **Owner:** Mrs. John A. Barron, Anacortes, Wash. (1952). **Ore:** Gold. **Ref:** 158.

**Nevada City**

**Loc:** Slate Cr. dist. **Ore:** Gold. **Ref:** 104, 7/5/32, p. 29.

**New Light (Eureka, Bonita, Slate Creek, Monica) (42)**

(see also Goat)

**Loc:** Center S  $\frac{1}{2}$  sec. 27, (38-17E), about 7 mi. NW. of Harts Pass, Slate Cr. dist. **Elev:** 5,500 to 6,600 ft. **Access:** Road to mine from Mazama. **Prop:** 16 unpatented claims. **Owner:** Western Gold Mining Inc., Seattle, Wash. (1952—). Eureka Mining Co. (1895-1902). Chancellor Mining Co. (1909). Slate Creek Gold Mining Co. (1915). New Light Mining Co. (1933-1936). Monica Mines, Inc. (1939). Slate Creek Mining Co. (1941-1952). **Ore:** Gold, silver. **Ore min:** Free gold, pyrite, sylvanite. **Deposit:** Fracture zone in limy and graphitic argillite contains interlacing quartz veinlets, graphitic shear zones, and breccia zones cemented by quartz and sulfides. **Dev:** Several thousand ft. on 6 levels. **Improv:** Camp buildings and 100-ton flotation mill (1955). **Assays:** Early work, \$30 to \$40 Au, later work 0.2 to 0.4 oz. Au, in 1950 about \$12 Au. **Prod:** 60,000 tons of ore in the 1900's and several tons of good-grade ore in 1940 to 1942. Small amount 1949. **Ref:** 1, no. 2, 1917, p. 29. 46, pp. 234-235. 63, p. 57. 88, p. 47. 97, 1907, 1935, 1938-1940. 99, 2/26/35. 104, 6/15/32, p. 18; 10/30/34, p. 22; 9/30/35, p. 24; 8/30/36, p. 26; 11/30/36, p. 29. 105, 1895, p. 106. 106, 6/4/31, 8/3/33. 114, no. 2, 1906, p. 22; no. 5, 1909, pp. 88, 90. 150, p. 39. 158, 159, p. 133.

**Ninety-nine (43)**

**Loc:** Near center sec. 26, (38-17E), on Crater Mtn., Slate Cr. dist. **Prop:** 11 claims. **Owner:** Charles H. Ballard, Barron, Wash. (1902). **Ore:** Gold, silver. **Ore min:** Free gold, tellurides. **Deposit:** 4-ft. ledge with 2-ft. paystreak, in slate and quartzite. **Dev:** 240-ft. crosscut, drifts. **Ref:** 88, p. 49.

**Nooksack (1)**

**Loc:** Near E.  $\frac{1}{4}$  cor. sec. 35, (40-4E), Mt. Baker dist. **Elev:** 1,200 ft. **Access:** Trail. **Prop:** 3 properties: Nooksack, Givens-Nooksack, Land-Nooksack. **Owner:** Nooksack Mining Co. (1903). **Ore:** Gold. **Ore min:** Gold-bearing sulfide. **Deposit:** Small quartz stringers in andesite. **Dev:** More than 1,500 ft. of underground workings, mostly caved. **Assays:** It is reliably reported that more than 50 channel samples av. \$2 Au at the old price. **Prod:** Probably produced. **Ref:** 88, p. 44. 105, 4/04, p. 236. 158, 159, p. 131.

**North American (Velvet) (48)**

**Loc:** Sec. 11, (37-16E), between Boulder Cr. and Mill Cr., Slate Cr. dist. **Elev:** 4,300 ft. **Prop:** 10 unpatented claims. **Owner:** North American Mining & Milling Co. (1902-1915). **Ore:** Gold, silver. **Ore min:** Free gold. **Gangue:** Quartz. **Deposit:** 6 veins. **Dev:** 240-ft. adit, 28-ft. adit, 22-ft. adit, 2 other old adits. **Assays:** Av. \$15 Au, Ag (1934). **Prod:** Has produced. **Ref:** 88, p. 50. 114, no. 5, 1909. 116, no. 10, 1907, p. 18. 158.

**Northern Cascade**

(see Gold Hill under silver)

**Peterson**

(see Gold Hill under silver)

**Pierce**

**Loc:** On Silesia Cr., about 5 mi. from the Lone Jack mine, Mt. Baker dist. **Prop:** 10 claims. **Ore:** Gold. **Ore min:** Free gold. **Deposit:** Vein av. 3 ft. wide. **Dev:** 50-ft. shaft, 40-ft. shaft, 60-ft. adit. **Assays:** Av. \$12 Au. **Ref:** 88, p. 45.

**Post-Lambert**

(see Lone Jack)

**President**

(see Great Excelsior)

**Randall**

(see Gold Coin)

**Red Mountain**

(see Boundary Red Mountain)

**Rockefeller (61)**

**Loc:** Sec. 23, (37-17E), Slate Cr. dist. **Ore:** Gold, silver. **Prod:** Shipped 1 ton. **Ref:** 58, p. 59. 63, p. 58.

**Ruth Mountain Pyrite (23)**

(see under iron)

**Saginaw (15)**

**Loc:** W½ sec. 15, (40-9E), Mt. Baker dist. **Access:** About 1 mi. by trail from Twin Lakes road. **Prop:** 4 patented claims. **Owner:** Saginaw Gold & Copper Mines, Inc., Bellingham, Wash. (1948—). **Ore:** Gold, copper, lead, silver. **Gangue:** Quartz, calcite. **Deposit:** 3½-ft. ledge in diorite. **Dev:** 300-ft. adit with 200 ft. of crosscuts, 76-ft. adit with 31-ft. crosscut, two 36-ft. adits. **Assays:** Picked sample gave 70% Pb, 0.20 oz. Au, 200 oz. Ag. Others gave 0.34 to 1.82 oz. Au, 0.78 to 2.06 oz. Ag, tr. to 2.13% Cu. Av. said to be \$6.00 Au, Ag, Cu. **Ref:** 88, pp. 44-45. 150, p. 38. 158.

**St. Francis (American Eagle)**

**Loc:** On Wells Cr., Mt. Baker dist. **Owner:** Ray Salsbury, Bellingham, Wash. (1952). **Ore:** Gold. **Ref:** 158.

**St. Louis**

(see Seattle-St. Louis)

**Saw Pits**

(see Bird and Saw Pits)

**Seattle-St. Louis (Minnesota) (46)**

**Loc:** Sec. 30, (38-17E), Slate Cr. dist. **Owner:** Seattle-St. Louis Gold Mines Co. (1908-1918). **Ore:** Gold. **Prod:** 1913. **Ref:** 97, 1908, p. 582; 1912, p. 923; 1913, p. 801. 112, p. 201. 114, no. 5, 1909, p. 91.

**Shanghai (56)**

**Loc:** Sec. 2, (37-17E) and sec. 35, (38-17E), Slate Cr. dist. **Prop:** 2 patented claims: Shanghai, Naniken. **Owner:** J. L. Yelton, Bellingham, Wash. (1952). **Ore:** Gold, silver, copper. **Ref:** 158.

**Short Grub**

(see Beck and Short Grub)

**J. E. Sigh**

(see under copper)

**Silver Creek (24)**

(see under molybdenum)

**Silver Tip (18)**

(see under copper)

**Slate Creek**

(see New Light)

**South Mt. Baker****Loc:** Mt. Baker dist. **Ore:** Gold. **Ref:** 158.**Square Shooter**

**Loc:** Slate Cr. dist. **Ore:** Gold. **Prod:** 1937. **Ref:** 58, p. 64. 97, 1938, p. 460.

**Sun**

**Loc:** Mt. Baker dist. **Owner:** International Gold Mines, Ltd. (1935). **Ore:** Gold. **Ref:** 99, 3/12/35.

**Tacoma (Golden Arrow) (44)**

**Loc:** SE¼ sec. 34, (38-17E), on W. side of Slate Cr. **Access:** Road from Mazama. **Prop:** 4 unpatented claims. **Owner:** E. H. Spafford and Walter Gourlie, Twisp, Wash. (1952—). Gold Standard Mining Co. (1902). H. C., E. E., and M. J. Blocher (1938). **Ore:** Gold, lead, zinc, silver. **Ore min:** Free gold, tellurides, galena, sphalerite, pyrite, arsenopyrite. **Deposit:** 2 veins, one said to av. 2 ft. thick. One is 3 to 12 in. thick. **Dev:** Shaft, lower adit about 300 ft. long. **Assays:** Tr. to \$34.00 Au. **Prod:** 10-ton test shipment netted \$60.00 per ton. **Ref:** 88, p. 48. 133, p. 34. 158.

**Terra Alta**

**Loc:** On Bear Mtn. S. of the Lone Jack mine, Mt. Baker dist. **Owner:** Terra Alta Mining Co. (1902). **Ore:** Gold. **Ore min:** Sulfides, tellurides. **Deposit:** 14-ft. vein. **Dev:** 100 ft. of workings. **Assays:** \$306 per ton (prior to 1902). **Ref:** 88, p. 44.

**Tom, Dick, and Harry**

**Loc:** Whatcom County. **Ore:** Gold. **Prod:** 1936. **Ref:** 97, 1937, p. 553.

**Trapper (62)**

**Loc:** Sec. 36, (37-17E), Slate Cr. dist. **Prop:** 1 patented claim. **Owner:** Donald J. MacLean, Salt Lake City, Utah (1952). **Ore:** Gold. **Ref:** 158.

**Tripod (45)**

**Loc:** Sec. 35, (38-17E), Slate Cr. dist. **Prop:** 1 patented claim. **Owner:** S. W. Schaefer, Winthrop, Wash. (1952). **Ore:** Gold. **Ref:** 158.

**Tyler**

(see Veradell)

**Velvet**

(see North American)

**Veradell (Tyler) (50)**

**Loc:** Sec. 8, (37-16E), Ruby Cr. dist. **Owner:** Glenn E. Tyler, Rockport, Wash. **Ore:** Gold, silver. **Ref:** 158.

**Verona (Galena) (21)**

**Loc:** Sec. 20, (39-9E), Mt. Baker dist. **Access:** Near Mt. Baker highway about 4 mi. below the Mt. Baker lodge. **Prop:** 5 claims. **Owner:** Helen Tweit, Bellingham, Wash. (1952). Verona Mining Co. (1934). James Sullivan and Harold Bland, Bellingham, Wash. (1944). **Ore:** Gold, silver, lead, zinc, copper. **Ore min:** Pyrite. **Deposit:** Shear zone in altered volcanic rock contains stringers and lenses of mineralized quartz and calcite. Some stringers as much as 6 in. wide. **Dev:** 65-ft. adit with a 20-ft. drift. **Improv:** Several old cabins. **Assays:** \$10 to \$20 per ton reported. One assay showed 0.21 oz. Au, 80¢ Ag, 14.5% Pb. **Ref:** 158.

**Walla Walla (57)**

**Loc:** Sec. 1, (37-17E), Slate Cr. dist. **Prop:** 12 claims. **Ore:** Gold. **Ref:** 158.

**Whistler (58)**

**Loc:** Secs. 8 and 17, (37-17E), Slate Cr. dist. **Access:** Road. **Prop:** 4 patented claims. **Owner:** Marguerite Roth, Bellingham, Wash. (1952). **Ore:** Gold, silver, copper. **Ore min:** Sulfides. **Deposit:** Ore bodies said to be 2 to 6 ft. wide. **Assays:** Reported \$15 to \$20 per ton. One assay reported to show \$48 Au, 3.7% Cu. **Prod:** 1936, 1937. **Ref:** 63, p. 58. 97, 1937, p. 553; 1938, p. 460. 158.

**White Swan**

**Loc:** Mt. Baker dist. **Owner:** Mt. Baker Gold, Copper, and Tin Co. (1909-1918). **Ore:** Gold, silver. **Ref:** 98, 1918, p. 111. 114, no. 5, 1909, p. 87.

**Willis**

(see Lone Jack)

**Wright (63)**

**Loc:** Sec. 34, (37-17E), Slate Cr. dist. **Prop:** 3 unpatented claims: Faner, Fluor, Fodder. **Owner:** Geo. W. Wright, Mount Vernon, Wash. (1952). **Ore:** Gold. **Ref:** 158.

**Yellow Aster**

(see under nickel)

**YAKIMA COUNTY****Bear Gap**

(see Fife)

**Black Hawk (2)**

**Loc:** Sec. 25, (17-10E), Summit dist. **Ore:** Gold. **Ref:** 58, p. 7. 63, p. 46.

**Blue Bell**

(see Fife)

**Chinook (11)**

(see under copper)

**Comstock (3)**

**Loc:** SW¼ sec. 29, (17-11E), Summit dist. **Ore:** Gold, silver. **Ref:** 63, p. 44.

**Copper Mining Co. (14)**

(see under copper)

**Crown Point (4)**

**Loc:** A little W. of the Comstock property, Summit dist. **Owner:** George M. Brown (1897). **Ore:** Gold, silver. **Deposit:** 7-ft. vein. **Dev:** 30-ft. adit. **Assays:** Av. \$38 Au, Ag (1897). **Ref:** 63, p. 44.

**Damfino (5)**

**Loc:** SW¼ sec. 31, (17-11E), Summit dist. **Owner:** James A. Farrell, J. R. Forrest, Tacoma, Wash. (1897). **Ore:** Gold, silver. **Assays:** \$13 Au, 2 oz. Ag. **Ref:** 63, p. 45.

**Dry Spring (6)**

**Loc:** NW¼ sec. 31, (17-11E), Summit dist. **Ore:** Gold, silver. **Ref:** 63, p. 45.

**Elizabeth Gold Hill (10)**

**Loc:** NW¼ sec. 4, (16-11E), Summit dist. **Ore:** Gold, silver, lead, copper. **Ref:** 33, 1918, pp. 1473-1474. 63, p. 44.

**Eva**

**Loc:** Summit dist. **Ore:** Gold, silver. **Ref:** 63, p. 44.

**Fife (Bear Gap, Pickhandle, Manitau, Blue Bell) (7)**

**Loc:** Sec. 31, (17-11E), along the Cascade crest from Bear Gap to Crown Point. **Elev:** 5,000 to 6,000 ft. **Access:** Road up Morse Cr. from Chinook Pass highway reaches within ½ mi. of the property. **Prop:** 2 patented claims: Cold Spring, Silver Reef; and 12 unpatented claims. **Owner:** Manitau Mining & Milling Co. (1941). **Ore:** Gold, silver. **Ore min:** Free gold. **Deposit:** Small quartz veinlets in volcanic rock. Volcanic rock itself reputedly carries gold values. **Assays:** 90 channel samples 10 to 20 ft. in length over an area 1,200 by 1,800 ft. showed an av. value of \$1.37 Au. **Prod:** 1896. **Ref:** 13, p. 162. 63, p. 44. 158.

**Gold Hill (8)**

**Loc:** S½ sec. 31, (17-11E), Summit dist. **Elev:** 4,500 to 6,000 ft. **Access:** Morse Cr. road crosses the property. **Prop:** 4 patented claims: Eureka, Climax, Lake Paragon, Boston; and 24 unpatented claims. **Owner:** E. A. Bannister and G. A. Mosher, Yakima, Wash. **Ore:** Gold, reportedly lead, zinc, copper, silver, tungsten. **Ore min:** Free gold. **Deposit:** Small quartz veinlets in volcanic rock. Volcanic rock itself reputedly carries gold values. **Dev:** 2 adits, each about 500 ft. long. **Assays:** Hand samples assayed 75¢ to \$1.50 Au. **Ref:** 58, p. 25. 158.

**Gold Links (1)**

**Loc:** Secs. 4 and 5, (17-11E), Summit dist. **Owner:** Gold Links Mining Co., Yakima, Wash. (1941). **Ore:** Gold. **Ref:** 58, p. 26.

**Highland (12)**

**Loc:** Sec. 6, (16-11E), Summit dist. **Ore:** Gold, silver. **Ref:** 63, p. 45.

**Lakeview**

(see under tungsten)

**Lolette (9)**

**Loc:** NW¼ sec. 29, (17-11E), Summit dist. **Ore:** Gold, silver. **Ref:** 63, p. 44.

**Manitau**

(see Fife)

**New Find (15)**

(see under copper)

**Pickhandle**

(see Fife)

**Richmond (13)**

(see under lead)